

SUBSTITUTE SPECIFICATION AND ABSTRACT - CLEAN

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ABSTRACT

A system and method for authenticating a terminal in a communication system is described. The method includes executing a terminal authentication protocol, whereby the executing the terminal authentication protocol includes authenticating an identity of a network entity by a terminal in a communication system. The method further includes executing a challenge authentication protocol, wherein the executing the challenge authentication protocol includes sharing challenge data between the terminal and the network entity, and forming at the terminal, test data by at least applying one authentication function to the challenge data using the identifier. The executing the challenge authentication protocol further includes transmitting a message including terminal authentication data from the terminal to the network entity, and determining, based on the terminal authentication data, whether to provide the terminal with access to a service.